

FINANCIAL ASSISTANCE FUNDING OPPORTUNITY ANNOUNCEMENT



U. S. Department of Energy

National Energy Technology Laboratory

Superconducting Power Equipment

Funding Opportunity Number: DE-PS26-06NT42874-00

**Announcement Type: Amendment 001- issued to extend the closing
date of the Announcement**

**CFDA Number: 81.122 Electricity Delivery and Energy Reliability,
Research, Development and Analysis**

Issue Date:	08/10/2006
Letter of Intent Due Date:	Not Applicable
Pre-Application Due Date:	Not Applicable
Application Due Date:	<u>11/07/2006 – revised under Amendment 001 11:59:59 PM Eastern Time</u>

NOTE: NEW REQUIREMENTS FOR GRANTS.GOV

Where to Submit

Applications must be submitted through Grants.gov to be considered for award. You cannot submit an application through Grants.gov unless you are registered. Please read the registration requirements carefully and start the process immediately. Remember you have to update your CCR registration annually. If you have any questions about your registration, you should contact the Grants.gov Helpdesk at 1-800-518-4726 to verify that you are still registered in Grants.gov.

Registration Requirements

There are several one-time actions you must complete in order to submit an application through Grants.gov (e.g., obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number, register with the Central Contract Registry (CCR), register with the credential provider, and register with Grants.gov). See <http://www.grants.gov/GetStarted>. Use the Grants.gov Organization Registration Checklist at <http://www.grants.gov/assets/OrganizationRegCheck.doc> to guide you through the process. Designating an E-Business Point of Contact (EBiz POC) and obtaining a special password called an MPIN are important steps in the CCR registration process. Applicants, who are not registered with CCR and Grants.gov, should allow at least 21 days to complete these requirements. It is suggested that the process be started as soon as possible.

IMPORTANT NOTICE TO POTENTIAL APPLICANTS: When you have completed the process, you should call the Grants.gov Helpdesk at 1-800-518-4726 to verify that you have completed the final step (i.e. Grants.gov registration).

Questions

Questions relating to the registration process, system requirements, how an application form works, or the submittal process must be directed to Grants.gov at 1-800-518-4726 or support@grants.gov. Part VII of this announcement explains how to submit other questions to the Department of Energy (DOE).

Application Receipt Notices

After an application is submitted, the Authorized Organization Representative (AOR) will receive a series of five e-mails. It is extremely important that the AOR watch for and save each of the emails. It may take up to two (2) business days from application submission to receipt of email Number 2. You will know that your application has reached DOE when the AOR receives email Number 5. You will need the Submission Receipt Number (email Number 1) to track a submission. The titles of the five e-mails are:

- Number 1 – Grants.gov Submission Receipt Number
- Number 2 – Grants.gov Submission Validation Receipt for Application Number
- Number 3 – Grants.gov Grantor Agency Retrieval Receipt for Application Number
- Number 4 – Grants.gov Agency Tracking Number Assignment for Application Number
- Number 5 – DOE e-Center Grant Application Received

The last email will contain instructions for the AOR to register with the DOE e-Center. If the AOR is already registered with the DOE e-Center, the title of the last email changes to:

- Number 5 – DOE e-Center Grant Application Received and Matched

This email will contain the direct link to the application in the Industry Interactive Procurement System (IIPS). The AOR will need to enter their DOE e-Center user id and password to access the application.

VERY IMPORTANT – Download PureEdge Viewer

In order to download the application package, you will need to install PureEdge Viewer. This small, free program will allow you to access, complete, and submit applications electronically and securely. For a free version of the software, visit the following web site:
<http://www.grants.gov/DownloadViewer>.

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PART I – FUNDING OPPORTUNITY DESCRIPTION

This funding opportunity announcement contains multiple Program Areas of Interest. Applicants are cautioned that this funding opportunity announcement is a master announcement and that each Program Area of Interest has its own program-specific number for submission of applications. For example, Program Area of Interest 1, Power Delivery Cables has an announcement number of DE-PS26-06NT42874-01. Applications cannot be submitted under the master announcement of DE-PS26-06NT42874-00.

You may submit more than one application; however, Applicants must select and target only one (1) Area of Interest per application. Each application must have its own unique title on the subject line (i.e., project title and principal investigator/project director, if any). Please note that if an Applicant intends to apply under more than one Area of Interest, you must download an application package specifically from each Area of Interest.

Applicants should submit their application under the Program Area of Interest that best fits the majority of the effort to be performed. If DOE believes an application fits more appropriately in another Program Area of Interest than the one to which it was submitted, DOE will either consider the application under the more appropriate Area of Interest or will direct the Applicant to resubmit to the appropriate Area of Interest. Do not submit identical applications under more than one Area of Interest.

If the proposed project includes a demonstration, the demonstration must be conducted in the U.S. Conditions of the demonstration should be as close as possible to those that would actually be encountered in operation. The demonstration should be sufficient for an “end user” to determine if the technology demonstrated is sufficiently developed and has a favorable value proposition to be promoted and sold as a commercial technology.

Teaming arrangements are important for the type of projects Applicants are likely to submit to this funding opportunity announcement. DOE encourages teaming arrangements among manufacturers, suppliers of High Temperature Superconductor-related equipment, utilities and National Laboratories. For all Areas of Interest an “end user” (see *Note below) must be part of the project team.

Applications are to be submitted in one of the following Program Areas of Interest. Areas of Interest are listed in order of DOE program priority, with power delivery cables having the highest priority.

Program Area of Interest 1 – Power Delivery Cables (DE-PS26-06NT42874-01)

The objective of this area is the development and demonstration of power delivery cables to facilitate the integration of high temperature superconducting wires and cables in existing electric networks to demonstrate improvements to electric system performance, such as power flow control and reliability.

The proposed project may feature cables for AC or DC current. Voltage levels may be distribution-level voltage class or greater. The proposed project may feature Very Low Impedance (VLI) cables.

The goal of the project should be to demonstrate the application of High Temperature Superconductor (HTS) power delivery cables beyond what has already been demonstrated. The project should demonstrate commercial readiness, including how the use of HTS cables could add value to a utility or other end-user.

Special conditions for this Area of Interest:

- DOE prefers the use of second-generation (2G) wire in the demonstration; however,

the applicant may propose demonstrating first-generation (1G) wire due to potential issues of cost and availability of sufficient quantities of 2G wire.

- Minimum cost share is 50%.
- Cost Overruns: The maximum cost to the Government for the entire project will be fixed at the value documented in the approval by DOE for the Recipient to continue into Budget Period 2. The Recipient shall bear all cost overruns necessary to complete the project.
- An electric utility or equivalent “technology end user” must be part of the project team (see *Note below).

Program Area of Interest 2 – Fault Current Limiters (DE-PS26-06NT42874-02)

The objective of this area is the development and demonstration of fault current limiters (FCL) using high temperature superconductors to control fault-current levels on utility distribution and transmission networks. These fault current limiters, unlike reactors or high-impedance transformers, should limit fault currents without adding impedance to the circuit during normal operation.

The proposed project could involve design, testing and operation of FCLs with the goal to demonstrate FCL for use in transmission; however, it may be appropriate to demonstrate the technology first at distribution level.

Special conditions for this Area of Interest:

- The applicant must propose demonstration of second-generation (2G) wire if using the high temperature superconductor in wire form.
- Minimum cost share is 50%.
- Cost Overruns: If selected for award, the Recipient will be expected to bring the project to a logical conclusion within the funds negotiated. It is stressed that there is no commitment by DOE to provide any additional funds to the Recipient, even if the Recipient has reason to believe that the total estimated cost of the project is in error.
- A “technology end user” must be part of the project team (see *Note below).

Program Area of Interest 3 – Other High Temperature Superconductivity Applications (DE-PS26-06NT42874-03)

The objective of this area is the development and demonstration of High Temperature Superconductor (HTS) applications not included in Areas of Interest 1 or 2. The goal of proposed projects should be to use HTS devices for more efficient production and use of electricity. Projects would include, but are not limited to, use of HTS technology in synchronous condensers/var generators, storage systems, transformers, large industrial motors and generators. These projects could include other applications of high temperature superconductivity that would result in more efficient production or use of electricity.

Special conditions for this Area of Interest:

- The applicant must propose demonstration of second-generation (2G) wire if using the high temperature superconductor in wire form.
- Minimum cost share is 50%.
- Cost Overruns: If selected for award, the Recipient will be expected to bring the project to a logical conclusion within the funds negotiated. It is stressed that there is no commitment by DOE to provide any additional funds to the Recipient, even if the Recipient has reason to believe that the total estimated cost of the project is in error.
- A “technology end user” must be part of the project team (see *Note below).

*Note: For the purpose of this Funding Opportunity Announcement, “technology end-user” or “end user” is an entity (commercial, governmental or not-for-profit) that would use the proposed product in

normal operations. This could include an electric utility, but would not be limited to electric utilities. A technology end-user would typically not be a manufacturer or re-seller of superconducting equipment, but rather the ultimate consumer (the entity for whom the product has been designed.)

PART II – AWARD INFORMATION

A. TYPE OF AWARD INSTRUMENT.

- DOE anticipates awarding cooperative agreements under this program announcement (See Section VI.B.2 Statement of Substantial Involvement). However, DOE reserves the right to select another instrument type if the Government believes it appropriate and in the Government's best interest.

B. ESTIMATED FUNDING.

- DOE expects approximately \$10 million to be available in Fiscal Year 2007 for new awards under this announcement. Total funding available over 5 years is expected to reach \$90 million. The actual level of funding, if any, depends on the appropriations for this program.

C. MAXIMUM AND MINIMUM AWARD SIZE.

- Ceiling (i.e., the maximum amount for an individual award made under this announcement): none.
- Floor (i.e., the minimum amount for an individual award made under this announcement): none.

D. EXPECTED NUMBER OF AWARDS.

- DOE anticipates making multiple awards under this announcement. However, the Government reserves the right to fund, in whole or in part, any, all, or none of the applications submitted in response to this announcement and will award the number of Financial Assistance instruments which serves the public purpose and is in the best interest of the Government.

E. ANTICIPATED AWARD SIZE.

- DOE anticipates that DOE's share of funding for any one award will be in the \$20 to \$30 million range of the total allowable project costs.

F. PERIOD OF PERFORMANCE.

- DOE anticipates making awards with project periods up to five (5) years in length.

PART III - ELIGIBILITY INFORMATION

A. ELIGIBLE APPLICANTS.

- All types of domestic entities are eligible to apply, except other Federal agencies, Federally Funded Research and Development Center (FFRDC) Contractors, and nonprofit organizations described in section 501(c)(4) of the Internal Revenue Code of 1986 that engaged in lobbying activities after December 31, 1995.

B. COST SHARING.

- The cost share must be at least 50% of the total allowable costs for all activities and must come from non-Federal sources. The sum of the Government share, including FFRDC contractor costs if applicable, and the recipient share of allowable costs equals the total allowable cost of the project. (See 10 CFR Part 600 for the applicable cost sharing requirements.)
- Any award resulting from this announcement will require that DOE provided funds be incurred in the United States unless the applicant can demonstrate to the satisfaction of DOE that the overall technical benefits to the program would be better served with Federal funds expended outside the United States.

C. OTHER ELIGIBILITY REQUIREMENTS.

- **Federally Funded Research and Development Center (FFRDC) Contractors**

FFRDC contractors are not eligible for an award under this announcement, but they may be proposed as a team member on another entity's application subject to the following guidelines:

Authorization for non-DOE/NNSA FFRDCs. The Federal agency sponsoring the FFRDC contractor must authorize in writing the use of the FFRDC contractor on the proposed project and this authorization must be submitted with the application. The use of a FFRDC contractor must be consistent with the contractor's authority under its award and must not place the FFRDC contractor in direct competition with the private sector.

Authorization for DOE/NNSA FFRDCs. The cognizant contracting officer for the FFRDC must authorize in writing the use of a DOE/NNSA FFRDC contractor on the proposed project and this authorization must be submitted with the application. The following wording is acceptable for this authorization.

"Authorization is granted for the _____ Laboratory to participate in the proposed project. The work proposed for the laboratory is consistent with or complimentary to the missions of the laboratory, will not adversely impact execution of the DOE/NNSA assigned programs at the laboratory, and will not place the laboratory in direct competition with the domestic private sector."

Value/Funding. The value of, and funding for, the FFRDC contractor portion of the work will not normally be included in the award to a successful applicant. Usually, DOE/NNSA will fund a DOE/NNSA FFRDC contractor through the DOE field work proposal system and other FFRDC contractors through an interagency agreement with the sponsoring agency.

Cost Share. The applicant's cost share requirement will be based on the total cost of the project, including the applicant's and the FFRDC contractor's portions of the effort.

FFRDC Contractor Effort:

- The FFRDC contractor effort, in aggregate, shall not exceed 50% of the total estimated cost of the project, including the applicant's and the FFRDC contractor's portions of the effort.

Responsibility. The applicant, if successful, will be the responsible authority regarding the settlement and satisfaction of all contractual and administrative issues, including but not limited to, disputes and claims arising out of any agreement between the applicant and the FFRDC contractor.

- **Demonstration Site.**

The site of any demonstrations proposed in the application must be in the United States.

- **Project Team.**

Under Program Area of Interest 1 – Power Delivery Cables, an electric utility or equivalent “technology end user” must be part of the project team. Under Program Area of Interest 2 – Fault Current Limiters and Program Area of Interest 3 – Other High Temperature Superconductivity Applications, a “technology end user” must be part of the project team.

PART IV – APPLICATION AND SUBMISSION INFORMATION

A. ADDRESS TO REQUEST APPLICATION PACKAGE.

- Application forms and instructions are available at Grants.gov. To access these materials, go to <http://www.grants.gov>, select “Apply for Grants,” and then select “Download Application Package.” Enter the CFDA and/or the funding opportunity number located on the cover of this announcement and then follow the prompts to download the application package. **NOTE:** You will not be able to download the Application Package unless you have installed PureEdge Viewer (See: <http://www.grants.gov/DownloadViewer>).

B. LETTER OF INTENT AND PRE-APPLICATION.

1. Letter of Intent.

- Letters of Intent are not required.

2. Pre-application.

- Pre-applications are not required.

C. CONTENT AND FORM OF APPLICATION – 424 (R&R)

You must complete the mandatory forms and any applicable optional forms (e.g., Disclosure of Lobbying Activities (SF-LLL)) in accordance with the instructions on the forms and the additional instructions below. Files that are attached to the forms must be in Adobe Portable Document Format (PDF) unless otherwise specified in this announcement.

1. **SF 424 (R&R).** Complete this form first to populate data in other forms. Complete all the required fields in accordance with the pop-up instructions on the form. To activate the instructions, turn on the “Help Mode” (Icon with the pointer and question mark at the top of the form). The list of certifications and assurances referenced in Field 18 can be found on the Applicant and Recipient Page at <http://grants.pr.doe.gov> under Certification and Assurances.
2. **RESEARCH AND RELATED Project/Performance Site Location(s).** Indicate the primary site where the work will be performed. If a portion of the project will be performed at any other site(s), identify the site(s).
3. **RESEARCH AND RELATED Other Project Information.** Complete questions 1 through 5 and attach files. The files must comply with the following instructions:

Project Summary/Abstract (Field 6 on the Form)

The project summary/abstract must contain a summary of the proposed activity suitable for dissemination to the public. It should be a self-contained document that identifies the name of the applicant, the project director/principal investigator(s), the project title, the objectives of the project, a description of the project, including methods to be employed, the potential impact of the project (i.e., benefits, outcomes), and major participants (for collaborative projects). This document must not include any proprietary or sensitive business information as the Department may make it available to the public. The project summary must not exceed 1 page when printed using standard 8.5” by 11” paper with 1” margins (top, bottom, left and right) with font not smaller than 11 point. To attach a Project Summary/Abstract, click

“Add Attachment.”

Project Narrative (Field 7 on the Form)

The project narrative must not exceed 50 pages, including cover page, table of contents, charts, graphs, maps, photographs, and other pictorial presentations, when printed using standard 8.5” by 11” paper with 1 inch margins (top, bottom, left, and right). **EVALUATORS WILL ONLY REVIEW THE NUMBER OF PAGES SPECIFIED IN THE PRECEDING SENTENCE.** The font must not be smaller than 11 point. Do not include any Internet addresses (URLs) that provide information necessary to review the application, because the information contained in these sites will not be reviewed. See Part VIII.D for instructions on how to mark proprietary application information. To attach a Project Narrative, click “Add Attachment.”

The project narrative must include:

- Project Objectives. This section should provide a clear, concise statement of the specific objectives/aims of the proposed project. This should be less than one (1) page.
- Merit Review Criterion Discussion. DOE WILL EVALUATE AND CONSIDER ONLY THOSE APPLICATIONS THAT ADDRESS SEPARATELY EACH OF THE FOLLOWING MERIT REVIEW CRITERION:

Criterion 1. Impact and Technical Merit

Discuss how the proposed technology or methodology will make an important advancement toward achieving the objective of the targeted Area of Interest. The discussion should include an explanation of how the proposed project moves beyond what has already been accomplished in the industry. Explain the scientific and engineering basis for the work and how the proposed project would be expected to be successful based on those principles. Discuss the anticipated benefits of the work and value proposition to the potential “end user,” if successful. Discuss how the proposed project would benefit HTS-related applications of the technology in addition to the actual technology being demonstrated in the project. Discuss the proposed solutions to technical barriers that need to be overcome to make the proposed project successful. Explain how the proposed demonstrations, if successful, would show an “end user” that the product or technology provides value and benefit to be sold as a commercial product.

Criterion 2. Technical Approach and Understanding

Explain the proposed technical approach and how this approach would likely lead to a successful demonstration of the product or technology. The applicant should provide a Commercialization Plan (see *Note below) laying out a roadmap leading to a viable commercial product. The applicant should include a Marketing Plan (see *Note below) explaining how a commercial product could be sold at a reasonable price. Include a market projection of the subject technology. Include potential partnering strategies, follow-on development phases, licensing strategies, and discuss potential technical, manufacturing, and marketing barriers and how the barriers will be overcome. The application must include a clear Statement of Project Objectives and a Project Management Plan. The plan should include a critical path and explain how the project will be managed to achieve project objectives on time and within budget. The plan should show how the

project will be staffed and any planned travel.

*Note: For the purposes of this Funding Opportunity Announcement, "Commercialization Plan" is the recipient's proposed plan to develop the product technically to a point at which it is accepted by the industry as technically ready to be bought and sold on the open market at a reasonable price. The Plan should include a proposed path to developing and demonstrating that the technology can be manufactured reliably at reasonable cost and is ready for sale. The Plan also should include a discussion of how the proposed project demonstration shows that the product is ready for commercial applications and a discussion of what additional activities (if any) that would be necessary to demonstrate readiness. The Plan should clearly show that the technical aspects of the product have value to the technology end-user. The Plan should include the business case for the product to show that the product will be accepted by the industry and ready for commercial deployment.

For the purposes of this Funding Opportunity Announcement, "Marketing Plan" is the recipient's proposed plan to promote the product once the product is accepted by industry to be technically ready to be a commercial product. The Marketing Plan starts where the Commercialization Plan ends. In other words, once the product is shown technically to be ready to be sold, the Marketing Plan should discuss pricing, product niche, promotion strategy and where (what countries) the product would be attractive. The Plan should characterize the final product and identify and quantify potential short-term and long-term target markets for such systems. The Plan should include rationale to support projected sales volume. Assumptions should be clearly stated in the Plan. The Plan should discuss barriers to successful marketing of the product and how these barriers might be overcome.

Criterion 3. Technical and Management Capabilities

Identify key personnel of each member of the Project Team and describe their responsibilities in the proposed work as well as their credentials, capabilities and experience. Describe the corporate experience of the Applicant and other members of the Project Team with the successful management of similar projects and the capability of the team to demonstrate, market and commercialize HTS and similar technologies. Include an Organizational Breakdown Structure showing the relationship of the members of the project team to one another. Indicate lines of management and liaison relationships. Discuss how this structure is appropriate for the proposed project. Describe the roles and the work to be performed by each member of the Project Team and how the various efforts will be integrated and managed. In addition, the information contained in the following Appendices – Facilities and Other Resources, Equipment, and Commitment Letters from Third Parties – will be evaluated under Criterion 3.

- Statement Of Project Objectives (SOP):

The Department of Energy's, National Energy Technology Laboratory uses a specific format for Statement of Project Objectives in its awards. In announcements such as this one, where the Government does not provide a Statement of Project Objectives, the Applicant is to provide one, which the DOE will then use to generate the Statement of Project Objectives to be included in the award.

The project narrative must contain a single, detailed Statement of Project Objectives that addresses how the project objectives will be met. The Statement

of Project Objectives must contain a clear, concise description of all activities to be completed during project performance and follow the structure discussed below. The Statement of Project Objectives may be released to the public by DOE in whole or in part at any time. It is therefore required that it shall not contain proprietary or confidential business information.

The Statement of Project Objectives should be no longer than 10 pages. The Statement of Project Objectives and the three (3) Appendices will not count in the project narrative page limitation. Applicants should divide the Statement of Project Objectives and the total project period of performance into Budget Periods for funding purposes. The proposed Budget Periods should be logical for the work proposed. The length of a Budget Period should be appropriate for the activity; however, a typical Budget Period would be at least six months and could be one year or more. Typical Budget Periods would be:

Budget Period 1 – Design & Environmental
Budget Period 2 – Construction
Budget Period 3 – Operations

At the end of each Budget Period, the Recipient will prepare a Continuation Application, which DOE will evaluate. DOE will then determine whether:

- The project has made sufficient progress to move to the next Budget Period.
- The project has not made sufficient progress to move to the next Budget Period; however, the project looks promising and DOE will allow more time to accomplish the work in the Budget Period under review.
- The project has not made sufficient progress to move to the next Budget Period and more time is not likely to resolve the lack of progress. The project will be concluded.

Dependent upon the Applicant's proposed level of activity, funds and effort in Budget Period 1 will need to be allocated towards assisting DOE in fulfilling its obligations under the National Environmental Policy Act (NEPA). For the purposes of application and budget preparation, applicants should assume that if selected for negotiations leading to award, the submission of the Environmental Questionnaire (NETL F 451.1-1/3 - See Section IV.D.) would be sufficient. If DOE determines additional environmental information is needed, DOE and the Recipient will negotiate the additional costs prior to award.

Applicants shall prepare the Statement of Project Objectives in the following format:

TITLE OF WORK TO BE PERFORMED

(Insert the title of work to be performed. Be concise and descriptive.)

A. OBJECTIVES

Include one paragraph on the overall objective(s) of the work. Also, include objective(s) for each phase of the work.

B. SCOPE OF WORK

This section should not exceed one-half page and should summarize the effort and approach to achieve the objective(s) of the work for each Phase.

C. TASKS TO BE PERFORMED

Tasks, concisely written, should be provided in a logical sequence and should be divided into the phases of the project. This section provides a brief summary of the planned approach to this project.

PHASE I

Task 1.0 - (Title)

(Description)

Subtask 1.1 (Optional)

(Description)

Task 2.0 - (Title)

PHASE II (Optional)

Task 3.0 - (Title)

D. CRITICAL PATH PROJECT MILESTONES (MILESTONE PLAN/STATUS)

As a part of the approved SOPO, the Recipient will develop a Milestone Plan that will serve as the baseline for tracking performance of the project and will identify critical path project milestones (no less than 2 per calendar year) for the entire project.

During project performance, the Recipient will report the Milestone Status as part of the required quarterly Progress Report as prescribed under Attachment 4, Reporting Requirements Checklist. The Milestone Status will present actual performance in comparison with Milestone Plan, and include:

- (1) the actual status and progress of the project,
- (2) specific progress made toward achieving the project's critical path milestones, and,
- (3) any proposed changes in the projects' schedule required to complete critical path milestones.

E. DELIVERABLES

The periodic, topical, and final reports shall be submitted in accordance with the attached "Federal Assistance Reporting Checklist" and the instructions accompanying the checklist.

[Note: The Recipient shall provide a list of deliverables other than those identified on the "Federal Assistance Reporting Checklist" that will be delivered. These reports shall also be identified within the text of the Statement of Project Objectives. See the following examples:

1. Task 1.1 - (Report Description)
2. Task 2.2 - (Report Description)

F. BRIEFINGS/TECHNICAL PRESENTATIONS

The Recipient shall prepare annual detailed briefings for presentation to the Project Officer at the Project Officer's facility located in Pittsburgh, PA, Morgantown, WV, or Washington, D.C. This annual briefing shall be given by the Recipient to explain the plans, progress, and results of the technical effort. Projects awarded under this Announcement will be subject to a yearly DOE Peer Review. Also, the recipient should be prepared to participate in a Reasonableness Review conducted by DOE during the first Budget Period.

Bibliography & References Cited (Field 8 on the form)

Provide a bibliography of any references cited in the Project Narrative. Each reference must include the names of all authors (in the same sequence in which they appear in the publication), the article and journal title, book title, volume number, page numbers, and year of publication. Include only bibliographic citations. Applicants should be especially careful to follow scholarly practices in providing citations for source materials relied upon when preparing any section of the application. In order to reduce the number of files attached to your application, please provide the Bibliography and References Cited information as an appendix to your project narrative. Do not attach a file in field 8. This appendix will not count in the project narrative page limitation.

Facilities & Other Resources (Field 9 on the form)

This information is used to assess the capability of the organizational resources, including subawardee resources, available to perform the effort proposed. Identify the facilities to be used (Laboratory, Animal, Computer, Office, Clinical and Other). If appropriate, indicate their capacities, pertinent capabilities, relative proximity, and extent of availability to the project. Describe only those resources that are directly applicable to the proposed work. Describe other resources available to the project (e.g., machine shop, electronic shop) and the extent to which they would be available to the project. In order to reduce the number of files attached to your application, please provide the Facility and Other Resource information as an appendix to your project narrative. Do not attach a file in field 9. This appendix will not count in the project narrative page limitation.

Equipment (Field 10 on the form)

List major items of equipment already available for this project and, if appropriate identify location and pertinent capabilities. In order to reduce the number of files attached to your application, please provide the Equipment information as an appendix to your project narrative. Do not attach a file in field 10. This appendix will not count in the project narrative page limitation.

Other Attachments (Field 11 on the form):

If you need to elaborate on your responses to questions 1-5 on the "Other Project Information" document, attach a file in field 11.

Also, attach the following files:

Project Management Plan.

This plan should identify the activities/tasks to be performed, a time schedule for the accomplishment of the activities/tasks, the spending plan associated with the activities/tasks, and the expected dates for the release of outcomes. The outlined schedule in the plan should match the proposed budget. Applicants may use their own project management system to provide this information. Successful applicants must use

this plan to report schedule and budget variances. Save this plan in a single file named “pmp.pdf” and click on “Add Attachments” in Field 11 to attach.

Commitment Letters from Third Parties

Applications must contain letters of commitment from all members/organizations participating in the Project Team. If a third party (anyone other than the Applicant) proposes to provide all or part of the required cost sharing, the letter must state the specific dollar value of cost sharing that the third party will provide. The letter should also identify the type of proposed cost sharing (e.g., cash, services, and/or property) that the party is offering. If a commitment letter involves a commitment for cost share, the letter must be signed by the person authorized to commit the expenditure of funds by the entity.

It is the responsibility of the Applicant to ensure that letters from private sector team members assure DOE that the team member will provide the DOE Project Manager with non-confidential information about the team member’s activities with respect to the project. This is necessary so that DOE can properly publicize the project.

The application must include a letter from a utility or other “end user” of the technology. This letter must clearly indicate this team member’s willingness to host the demonstration of the technology as described in the application. This letter must be signed by an official of the company who is authorized to make such a commitment.

Commitment letters must be provided in a PDF format. Save this information in a single file named “CLTP.pdf” and click on “Add Attachments” in Field 11 to attach.

Budget for DOE/NNSA Federally Funded Research and Development Center (FFRDC) Contractor, if applicable.

If a DOE/NNSA FFRDC contractor is to perform a portion of the work, you must provide a DOE Field Work Proposal in accordance with the requirements in DOE Order 412.1 Work Authorization System. This order and the DOE Field Work Proposal form are available at <http://grants.pr.doe.gov>. Use up to 10 letters of the FFRDC name (plus .pdf) as the file name (e.g., lanl.pdf or anl.pdf), and click on “Add Attachments” in Field 11 to attach.

4. RESEARCH AND RELATED Senior/Key Person.

Complete this form before the Budget form to populate data on the Budget form. Beginning with the Project Director/Principal Investigator (PD/PI), provide a profile for each senior/key person proposed. A senior/key person is any individual who contributes in a substantive, measurable way to the scientific/technical development or execution of the project, whether or not a salary is proposed for this individual. Subawardees and consultants must be included if they meet this definition. For each senior/key person provide:

Biographical Sketch.

Complete a biographical sketch for each senior/key person and attach to the “Attach Biographical Sketch” field in each profile. The biographical information for each person must not exceed 2 pages when printed on 8.5” by 11” paper with 1 inch margins (top, bottom, left, and right) with font not smaller than 11 point and must include:

Education and Training. Undergraduate, graduate and postdoctoral training, provide institution, major/area, degree and year.

Research and Professional Experience: Beginning with the current position list, in chronological order, professional/academic positions with a brief description.

Publications: Provide a list of up to 10 publications most closely related to the proposed project. For each publication, identify the names of all authors (in the same sequence in which they appear in the publication), the article title, book or journal title, volume number, page numbers, year of publication, and website address if available electronically.

Patents, copyrights, and software systems developed may be provided in addition to or substituted for publications.

Synergistic Activities: List no more than 5 professional and scholarly activities related to the effort proposed.

Current and Pending Support.

Provide a list of all current and pending support (both Federal and non-Federal) for the Project Director/Principal Investigator(s) (PD/PI) and senior/key persons, including subawardees, for ongoing projects and pending applications. For each organization providing support, show the total award amount for the entire award period (including indirect costs) and the number of person-months per year to be devoted to the project by the senior/key person. Concurrent submission of an application to other organizations for simultaneous consideration will not prejudice its review. Save the information in a separate file and attach to the "Attach Current and Pending Support" field in each profile.

5. RESEARCH AND RELATED BUDGET (TOTAL FED + NON-FED)

Complete the Research and Related Budget (Total Fed & Non-Fed) form in accordance with the instructions on the form (Activate Help Mode to see instructions) and the following instructions. You must complete a separate budget for each year of support requested. The form will generate a cumulative budget for the total project period. You must complete all the mandatory information on the form before the NEXT PERIOD button is activated. You may request funds under any of the categories listed as long as the item and amount are necessary to perform the proposed work, meet all the criteria for allowability under the applicable Federal cost principles, and are not prohibited by the funding restrictions in this announcement (See PART IV. G).

Budget Justification (Field K on the form).

Provide the required supporting information (See R&R instructions) for the following costs: equipment; domestic and foreign travel; participant/trainees; material and supplies; publication; consultant services; Automated Data Processing (ADP)/computer services; subaward/consortium/contractual; equipment or facility rental/user fees; alterations and renovations; and indirect cost type. Provide any other information you wish to submit to justify your budget request. If cost sharing is required, provide an explanation of the source, nature, amount, and availability of any proposed cost sharing. Attach a single budget justification file for the entire project period in Field K. The file automatically carries over to each budget year.

6. R&R SUBAWARD (Total Fed + Non-Fed) FORM.

Budgets for Subawardees, other than DOE FFRDC Contractors. You must provide a

separate cumulative R&R budget for each subawardee that is expected to perform work estimated to be more than \$100,000 or 50 percent of the total work effort (whichever is less). Download the R&R Budget Attachment from the R&R SUBAWARD BUDGET (Total Fed + Non-Fed) FORM and e-mail it to each subawardee that is required to submit a separate budget. Note: Subawardees must have installed PureEdge Viewer before they can complete the form. After the Subawardee has e-mailed its completed budget back to you, attach it to one of the blocks provided on the form. Use up to 10 letters of the subawardee's name (plus .xfd) as the file name (e.g., ucla.xfd or energyres.xfd).

7. Disclosure of Lobbying Activities (SF-LLL)

If applicable, complete SF- LLL. Applicability: If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the grant/cooperative agreement, you must complete and submit Standard Form - LLL, "Disclosure Form to Report Lobbying."

Summary of Required Forms/Files

Your application must include the following documents:

Name of Document	Format	Attach to
SF 424 (R&R)	PureEdge Form	N/A
RESEARCH & RELATED PROJECT PERFORMANCE SITE	PureEdge Form	N/A
RESEARCH AND RELATED Other Project Information	PureEdge Form	N/A
Project Summary/Abstract	PDF	Field 6
Project Narrative, including 3 required appendices (Bibliography & References Cited; Facilities & Other Resources; and Equipment)	PDF	Field 7
Project Management Plan	PDF	Field 11
Commitment Letters from Third Parties	PDF	Field 11
Budget for DOE/NNSA FFRDC, if applicable	PDF	Field 11
RESEARCH & RELATED SENIOR/KEY PERSON	PureEdge Form	N/A
Biographical Sketch	PDF	Attach to appropriate block

Current and Pending Support	PDF	Attach to appropriate block
RESEARCH AND RELATED BUDGET (Total Fed + Non-Fed)	PureEdge Form	N/A
Budget Justification	PDF	Field K
R&R SUBAWARD BUDGET (Total Fed + Non-Fed) ATTACHMENT(S) FORM , if applicable	PureEdge Form	N/A
SF-LLL Disclosure of Lobbying Activities , if applicable	PureEdge Form	N/A

D. SUBMISSIONS FROM SUCCESSFUL APPLICANTS.

If selected for award, DOE reserves the right to request additional or clarifying information for any reason deemed necessary, including, but not limited to:

- Indirect cost information
- Other budget information
- Name and phone number of the Designated Responsible Employee for complying with national policies prohibiting discrimination (See 10 CFR 1040.5)
- Representation of Limited Rights Data and Restricted Software, if applicable
- Environmental Questionnaire (NETL F 541.1-1/3)
(available at http://www.netl.doe.gov/business/forms/451_1-1-3.doc)

E. SUBMISSION DATES AND TIMES.**1. Pre-application Due Date.**

Pre-applications are not required.

2. Application Due Date.

Applications must be received by **11/07/2006**, not later than 11:59:59 PM Eastern Time. You are encouraged to transmit your application well before the deadline. APPLICATIONS RECEIVED AFTER THE DEADLINE WILL NOT BE REVIEWED OR CONSIDERED FOR AWARD.

F. GOVERNMENTAL REVIEW

This program is not subject to Executive Order 12372 – Intergovernmental Review of Federal Programs.

G. FUNDING RESTRICTIONS.

Cost Principles Costs must be allowable in accordance with the applicable Federal cost principles referenced in 10 CFR part 600.

Pre-award Costs Recipients may charge to an award resulting from this announcement pre-

award costs that were incurred within the ninety (90) calendar day period immediately preceding the effective date of the award, if the costs are allowable in accordance with the applicable Federal cost principles referenced in 10 CFR part 600. Recipients must obtain the prior approval of the contracting officer for any pre-award costs that are for periods greater than this 90 day calendar period.

Pre-award costs are incurred at the applicant's risk. DOE is under no obligation to reimburse such costs if for any reason the applicant does not receive an award or if the award is made for a lesser amount than the applicant expected.

Percentage of Total Dollars To Be Spent in the United States In accordance with PART III - ELIGIBILITY INFORMATION B. COST SHARING, any award resulting from this announcement will require that DOE provided funds be incurred in the United States.

H. OTHER SUBMISSION AND REGISTRATION REQUIREMENTS

1. Where to Submit.

APPLICATIONS MUST BE SUBMITTED THROUGH GRANTS.GOV TO BE CONSIDERED FOR AWARD. Submit electronic applications through the "Apply for Grants" function at www.Grants.gov. If you have problems completing the registration process or submitting your application, call Grants.gov at 1-800-518-4726 or send an email to support@grants.gov.

2. Registration Process.

You must COMPLETE the one-time registration process (all steps) before you can submit your first application through Grants.gov (See www.grants.gov/GetStarted). **We recommend that you start this process at least three weeks before the application due date.** It may take 21 days or more to complete the entire process. Use the Grants.gov Organizational Registration Checklists at <http://www.grants.gov/section3/OrganizationRegCheck.pdf> to guide you through the process. **IMPORTANT:** During the CCR registration process, you will be asked to designate an E-Business Point of Contact (EBIZ POC). The EBIZ POC must obtain a special password called "Marketing Partner identification Number" (MPIN). When you have completed the process, you should call the Grants.gov Helpdesk at 1-800-518-4726 to verify that you have completed the final step (i.e., Grants.gov registration).

3. Application Receipt Notices.

After an application is submitted, the Authorized Organization Representative (AOR) will receive a series of five e-mails. It is extremely important that the AOR watch for and save each of the emails. It may take up to two (2) business days from application submission to receipt of email Number 2. You will know that your application has reached DOE when the AOR receives email Number 5. You will need the Submission Receipt Number (email Number 1) to track a submission. The titles of the five e-mails are:

Number 1 - Grants.gov Submission Receipt Number

Number 2 - Grants.gov Submission Validation Receipt for Application Number

Number 3 - Grants.gov Grantor Agency Retrieval Receipt for Application Number

Number 4 - Grants.gov Agency Tracking Number Assignment for Application Number

Number 5 – DOE e-Center Grant Application Received

The last email will contain instructions for the AOR to register with the DOE e-Center. If the AOR is already registered with the DOE e-Center, the title of the last email changes to:

Number 5 – DOE e-Center Grant Application Received and Matched

This email will contain the direct link to the application in IIPS. The AOR will need to enter their DOE e-Center user id and password to access the application.

Part V - APPLICATION REVIEW INFORMATION**A. CRITERIA.****1. Initial Review Criteria.**

- Prior to a comprehensive merit evaluation, DOE will perform an initial review to determine that (1) the applicant is eligible for an award; (2) the information required by the announcement has been submitted; (3) all mandatory requirements are satisfied; and (4) the proposed project is responsive to the objectives of the funding opportunity announcement. Note: all eligibility requirements outlined in PART III – ELIGIBILITY INFORMATION will be reviewed to ensure compliance.
- As a result of the initial review, DOE may decide not to review any applications not satisfying any of the initial review criteria. Those applications not satisfying the initial review criteria will be notified in writing as promptly as possible as to why a comprehensive evaluation will not be performed.

2. Merit Review Criteria.

CRITERIA	WEIGHT (%)
Criterion 1: <u>Impact and Technical Merit</u> <ul style="list-style-type: none"> • Degree to which the proposed technology or methodology represents an important advancement toward achieving the objectives in the targeted Area of Interest. • Degree to which the proposed demonstration goes beyond existing demonstrations, thereby increasing the likelihood of a new successful commercial product or technology. • The degree to which the proposed work is based on sound scientific and engineering principles. • Anticipated benefits of the proposed work and value proposition to the potential “end user.” • Degree to which the proposed technology would advance multiple HTS-related applications. • Degree to which the most formidable technical barriers are addressed. • Degree to which the proposed demonstration, if successful, will show an “end user” that the technology provides value and benefit to be sold as a commercial product. 	40
Criterion 2: <u>Technical Approach and Understanding</u> <ul style="list-style-type: none"> • Adequacy and feasibility of the Applicant's technical approach to developing and demonstrating the product or technology. • Adequacy of the Commercialization Plan to lay out an achievable path to demonstrating the technical and commercial readiness of the proposed product or technology. • Adequacy of the Marketing Plan to identify, quantify and promote potential technical markets for the product or technology. • Appropriateness, rationale, and completeness of the proposed Statement of Project Objectives (SOPO). • Adequacy of the project management plan to successfully reach project objectives (defined in SOPO) on time and within the proposed budget. 	35

<ul style="list-style-type: none"> • Adequacy of the Applicant's staffing plan and planned travel 	
Criterion 3: <u>Technical and Management Capabilities</u> <ul style="list-style-type: none"> • Credentials, capabilities and experience of key personnel. • Demonstrated corporate experience of the Applicant and other members of the project team in managing similar projects successfully. • Demonstrated corporate experience of the Applicant and other members of the project team to demonstrate, market and commercialize HTS and similar technologies. • Clarity, logic and likely effectiveness of project organization to successfully complete the project. • Adequacy of the facilities and equipment for the proposed project. • Degree of commitment of the project team as evidenced by letters of commitment from members of the project team. • Degree to which the total proposed cost share (Applicant's share and third party share) exceeds the minimum required. 	25
TOTAL WEIGHT	100

3. Other Selection Factors.

- The selection official will consider the following program policy factors in the selection process:
 - i. Desirability to select projects for award if such a selection will optimize use of available funds by allowing more projects to be supported while not being detrimental to the overall objectives of the program.
 - ii. Desirability to select projects for award that result in a portfolio of projects that provides the greatest positive impact on deployment of High Temperature Superconducting technology.
 - iii. Desirability to select projects for award that respond to the greatest barriers to deployment of High Temperature Superconducting technology.
 - iv. Desirability to select projects for award that represent a diversity of technology concepts and applications, technical approaches or geographic locations.

B. REVIEW AND SELECTION PROCESS.

1. Merit Review.

- Applications that pass the initial review will be subjected to a merit review in accordance with the guidance provided in the "Department of Energy Merit Review Guide for Financial Assistance and Unsolicited Proposals." This guide is available under Financial Assistance, Regulations and Guidance at <http://professionals.pr.doe.gov/ma5/ma-5web.nsf/?Open>.

2. Selection.

- The Selection Official will consider the merit review recommendation, program policy factors, and the amount of funds available.

3. Discussions and Award.

- The Government may enter into discussions with a selected applicant for any reason deemed necessary, including but not limited to: (1) the budget is not appropriate or

reasonable for the requirement; (2) only a portion of the application is selected for award; (3) the Government needs additional information to determine that the recipient is capable of complying with the requirements in 10 CFR part 600; and/or (4) special terms and conditions are required. Failure to resolve satisfactorily the issues identified by the Government will preclude award to the applicant.

C. ANTICIPATED NOTICE OF SELECTION AND AWARD DATES.

- DOE anticipates notifying applicants selected for award by the end of January, 2007, and making awards by the end of May, 2007.

Part VI - AWARD ADMINISTRATION INFORMATION

A. AWARD NOTICES.

1. Notice of Selection.

- DOE will notify applicants selected for award. This notice of selection is not an authorization to begin performance. (See Part IV.G with respect to the allowability of pre-award costs.)

Organizations whose applications have not been selected will be advised as promptly as possible. This notice will explain why the application was not selected.

2. Notice of Award.

- A Notice of Financial Assistance Award issued by the contracting officer is the authorizing award document. It normally includes either as an attachment or by reference: (1). Special Terms and Conditions; (2). Applicable program regulations, if any; (3) Application as approved by DOE/NNSA.; (4). DOE assistance regulations at 10 CFR part 600, or, for Federal Demonstration Partnership (FDP) institutions, the FDP terms and conditions; (5). National Policy Assurances To Be Incorporated As Award Terms; (6). Budget Summary; and (7). Federal Assistance Reporting Checklist, which identifies the reporting requirements.

B. ADMINISTRATIVE AND NATIONAL POLICY REQUIREMENTS.

1. Administrative Requirements.

The administrative requirements for DOE grants and cooperative agreements are contained in 10 CFR part 600 (See: <http://ecfr.gpoaccess.gov>), except for grants made to Federal Demonstration Partnership (FDP) institutions. The FDP terms and conditions and DOE FDP agency specific terms and conditions are located on the National Science Foundation web site at http://www.nsf.gov/awards/managing/fed_dem_part.jsp.

2. Special Terms and Conditions and National Policy Requirements.

Special Terms and Conditions and National Policy Requirements.

The DOE Special Terms and Conditions for Use in Most Grants and Cooperative Agreements are located at <http://grants.pr.doe.gov>. The National Policy Assurances To Be Incorporated As Award Terms are located at <http://grants.pr.doe.gov>.

Intellectual Property Provisions.

The standard DOE financial assistance intellectual property provisions applicable to the various types of recipients are located at http://www.gc.doe.gov/techtrans/sipp_matrix.html.

Statement of Substantial Involvement.

RECIPIENT'S RESPONSIBILITIES. The Recipient is responsible for:

Performing the activities supported by this award, including providing the required personnel, facilities, equipment, supplies and services;

Defining approaches and plans and submitting them to DOE for review and comment if requested by DOE;

Managing and conducting the project activities;

Attending program review meetings and reporting project status;

Submitting technical reports and incorporating DOE comments; and;

Presenting the project results at appropriate technical conferences or meetings.

DOE RESPONSIBILITIES. DOE is responsible for:

Reviewing in a timely manner project plans, including technology transfer plans, and recommend redirecting the work effort if the plans do not address critical programmatic issues;

Monitoring to recommend direction or redirection of the work because of interrelationships with other projects;

Conducting annual program review meetings to ensure adequate progress and that the work accomplishes the program and project objectives. Recommending alternate approaches to the work or shifting work emphasis, if needed;

Promoting and facilitating technology transfer activities, including disseminating program results through presentations and publications; and

Serving as scientific/technical liaison between awardees and other program or industry staff.

Serving as the technical liaison between the Recipient and the FFRDC through the DOE Field Work Proposal System.

C. REPORTING.

Reporting requirements are identified on the Federal Assistance Reporting Checklist, DOE F 4600.2, attached to the award agreement. See the NETL Business Page at http://www.netl.doe.gov/business/forms.html#REPORTING_FA for the proposed Checklist for this program.

PART VII - QUESTIONS/AGENCY CONTACTS

A. QUESTIONS.

Questions regarding the content of the announcement must be submitted through the "Submit Question" feature of the DOE Industry Interactive Procurement System (IIPS) at <http://e-center.doe.gov>. Locate the program announcement on IIPS and then click on the "Submit Question" button. Enter required information. You will receive an electronic notification that your question has been answered. DOE/NNSA will try to respond to a question within 3 business days, unless a similar question and answer have already been posted on the website. Technical questions will not be answered after 10/10/06.

Questions relating to the registration process, system requirements, how an application form works, or the submittal process must be directed to Grants.gov at 1-800-518-4726 or support@grants.gov. DOE/NNSA cannot answer these questions.

B. AGENCY CONTACT.

Name:	Sue Miltenberger, Contract Specialist
E-mail:	susan.miltenberger@netl.doe.gov
FAX:	304-285-4683
Telephone (Optional):	304-285-4083

PART VIII - OTHER INFORMATION

A. MODIFICATIONS.

Notices of any modifications to this announcement will be posted on Grants.gov and the DOE Industry Interactive Procurement System (IIPS). You can receive an email when a modification or an announcement message is posted by joining the mailing list for this announcement through the link in IIPS. When you download the application at Grants.gov, you can also register to receive notifications of changes through Grants.gov.

B. GOVERNMENT RIGHT TO REJECT OR NEGOTIATE.

DOE reserves the right, without qualification, to reject any or all applications received in response to this announcement and to select any application, in whole or in part, as a basis for negotiation and/or award.

C. COMMITMENT OF PUBLIC FUNDS.

The Contracting Officer is the only individual who can make awards or commit the Government to the expenditure of public funds. A commitment by other than the Contracting Officer, either explicit or implied, is invalid.

D. PROPRIETARY APPLICATION INFORMATION.

Patentable ideas, trade secrets, proprietary or confidential commercial or financial information, disclosure of which may harm the applicant, should be included in an application only when such information is necessary to convey an understanding of the proposed project. The use and disclosure of such data may be restricted, provided the applicant includes the following legend on the first page of the project narrative and specifies the pages of the application which are to be restricted:

“The data contained in pages _____ of this application have been submitted in confidence and contain trade secrets or proprietary information, and such data shall be used or disclosed only for evaluation purposes, provided that if this applicant receives an award as a result of or in connection with the submission of this application, DOE shall have the right to use or disclose the data herein to the extent provided in the award. This restriction does not limit the government’s right to use or disclose data obtained without restriction from any source, including the applicant.”

To protect such data, each line or paragraph on the pages containing such data must be specifically identified and marked with a legend similar to the following:

“The following contains proprietary information that (name of applicant) requests not be released to persons outside the Government, except for purposes of review and evaluation.”

E. EVALUATION AND ADMINISTRATION BY NON-FEDERAL PERSONNEL.

In conducting the merit review evaluation, the Government may seek qualified non-Federal personnel as reviewers. The Government may also use non-Federal personnel to conduct routine, nondiscretionary administrative activities. The applicant, by submitting its application, consents to the use of non-Federal reviewers/administrators. Non-Federal reviewers must sign conflict of interest and non-disclosure agreements prior to reviewing an application. Non-Federal personnel conducting administrative activities must sign a non-disclosure agreement.

F. INTELLECTUAL PROPERTY DEVELOPED UNDER THIS PROGRAM.

Patent Rights. The government will have certain statutory rights in an invention that is conceived or first actually reduced to practice under a DOE award. 42 U.S.C. 5908 provides that title to such inventions vests in the United States, except where 35 U.S.C. 202 provides otherwise for nonprofit organizations or small business firms. However, the Secretary of Energy may waive all or any part of the rights of the United States subject to certain conditions. (See "Notice of Right to Request Patent Waiver" in paragraph G below.)

Rights in Technical Data. Normally, the government has unlimited rights in technical data created under a DOE agreement. Delivery or third party licensing of proprietary software or data developed solely at private expense will not normally be required except as specifically negotiated in a particular agreement to satisfy DOE's own needs or to insure the commercialization of technology developed under a DOE agreement.

G. NOTICE OF RIGHT TO REQUEST PATENT WAIVER.

Applicants who are large businesses may request a waiver of all or any part of the rights of the United States in inventions conceived or first actually reduced to practice in performance of an agreement as a result of this announcement, in advance of or within 30 days after the effective date of the award. Even if such advance waiver is not requested or the request is denied, the recipient will have a continuing right under the award to request a waiver of the rights of the United States in identified inventions, i.e., individual inventions conceived or first actually reduced to practice in performance of the award. Any patent waiver that may be granted is subject to certain terms and conditions in 10 CFR 784.

Domestic small businesses and domestic nonprofit organizations will receive the patent rights clause at 37 CFR 401.14, i.e., the implementation of the Bayh-Dole Act. This clause permits domestic small business and domestic nonprofit organizations to retain title to subject inventions. Therefore, small businesses and nonprofit organizations do not need to request a waiver. Eligible activities under this program include those which describe and promote the understanding of scientific and technical aspects of specific energy technologies, but not those which encourage or support political activities such as the collection and dissemination of information related to potential, planned or pending legislation.

H. NOTICE REGARDING ELIGIBLE/INELIGIBLE ACTIVITIES

Eligible activities under this program include those which describe and promote the understanding of scientific and technical aspects of specific energy technologies, but not those which encourage or support political activities, such as the collection and dissemination of information related to potential, planned or pending legislation.